

FIG. 1

Partition Identity	Time Scale	Weighted Value
P1	Jan-01~Jan-31	0.5
P2	Feb-01~Feb-28	1
P3	Mar-01~Mar-30	2

FIG. 2

Partition Identity	Transaction Identity	Transaction Items
P1	t1	B D
P1	t2	A D
P1	t3	B C D
P1	t4	B C
P2	t5	D E
P2	t6	A B C
P2	t7	B C E
P2	t8	C D E
P3	t9	A D
P3	t10	B D F
P3	t11	B C E F
P3	t12	B F

FIG. 3

Candidate Flag	2-Itemset	Initiated Partition	Weighted Frequency
o o	AD	P1	$1*0.5=0.5$
	BC	P1	$2*0.5=1$
	BD	P1	$2*0.5=1$
	CD	P1	$1*0.5=0.5$

FIG. 4

Candidate Flag	2-Itemset	Initiated Partition	Weighted Frequency
o	AB	P2	$1*1=1$
	AC	P2	$1*1=1$
	BC	P1	$1+2*1=3$
	BD	P1	$1+0*1=1$
	BE	P2	$1*1=1$
	CD	P2	$1*1=1$
o	CE	P2	$2*1=2$
o	DE	P2	$2*1=2$

FIG. 5

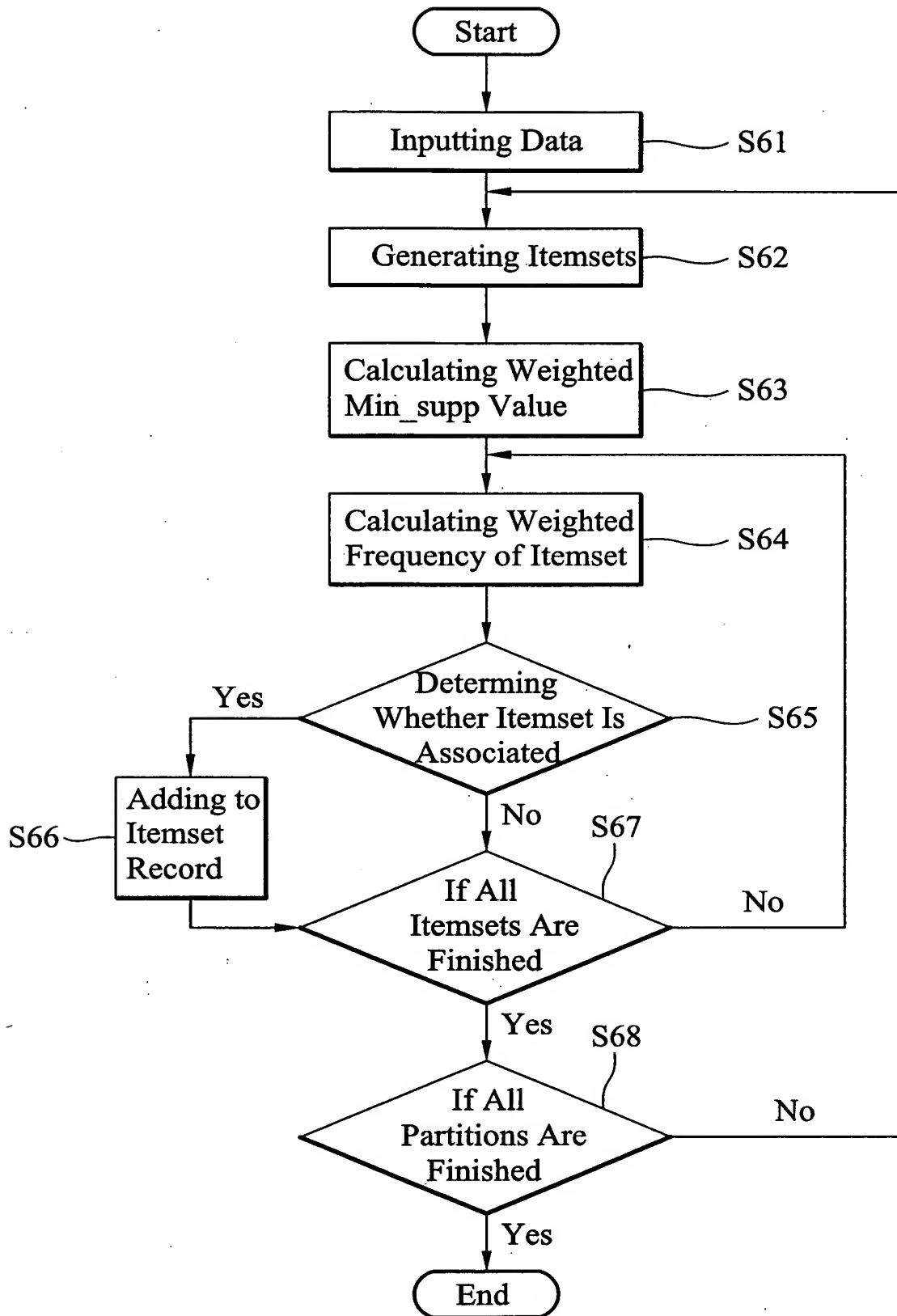


FIG. 6

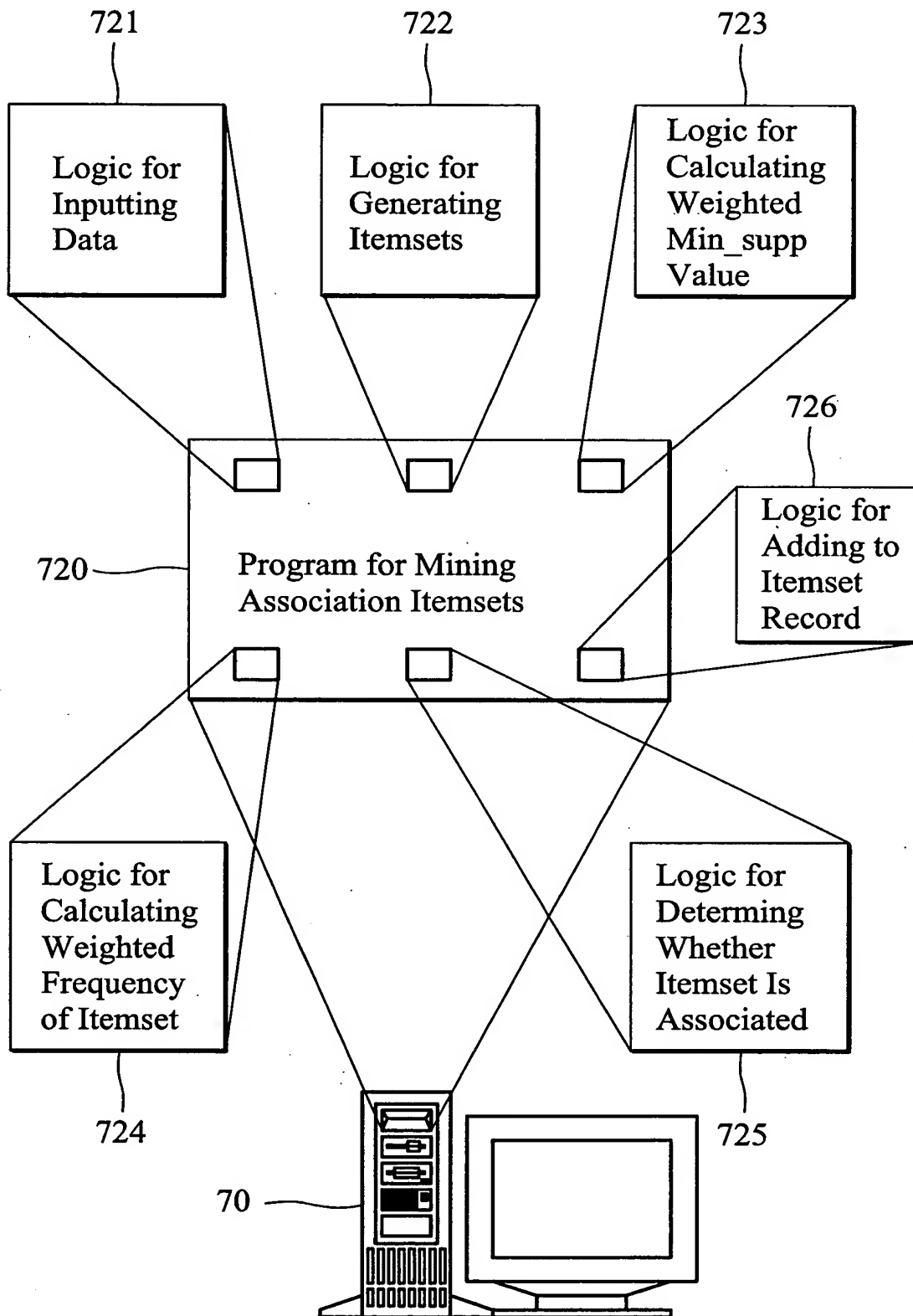


FIG. 7